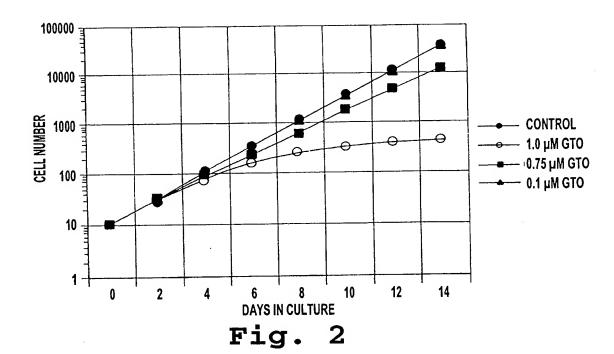


Fig. 1



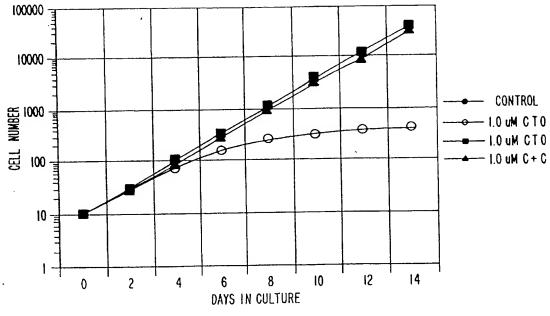


Fig. 3

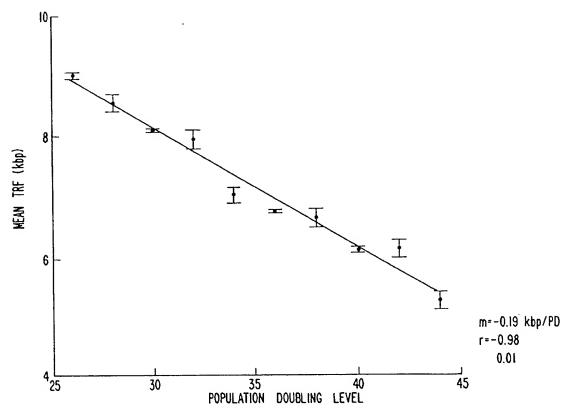


Fig. 4

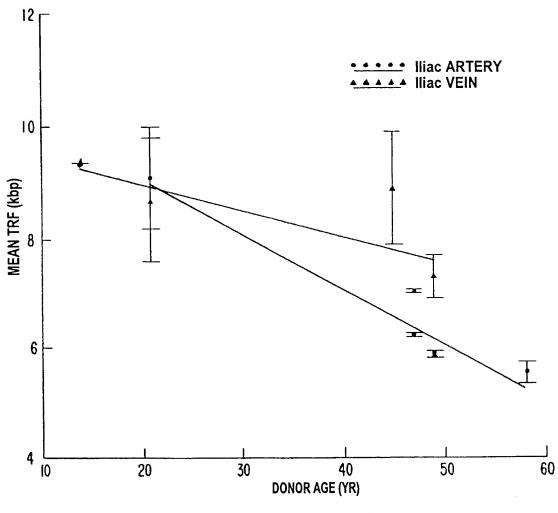
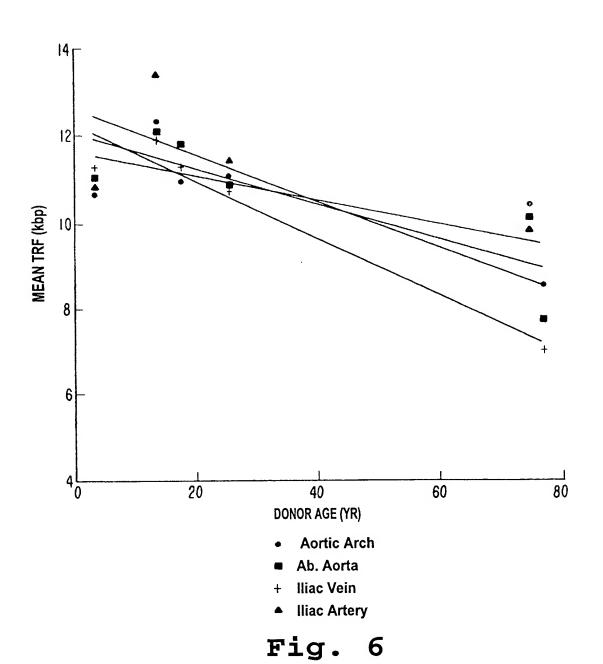
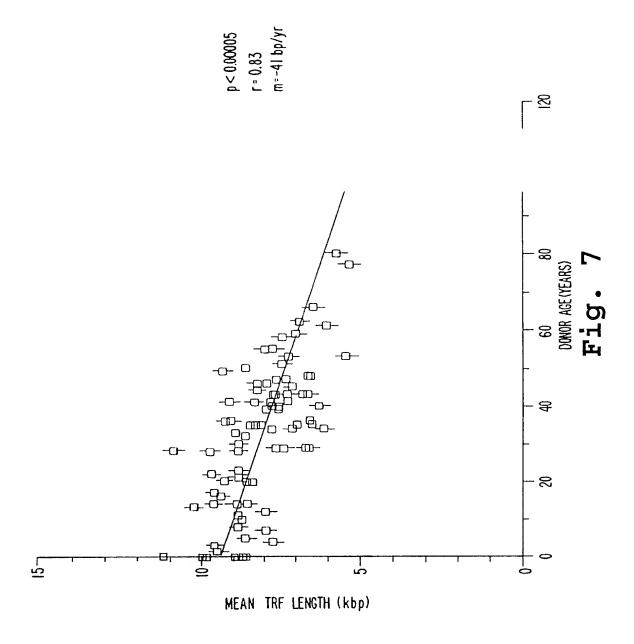
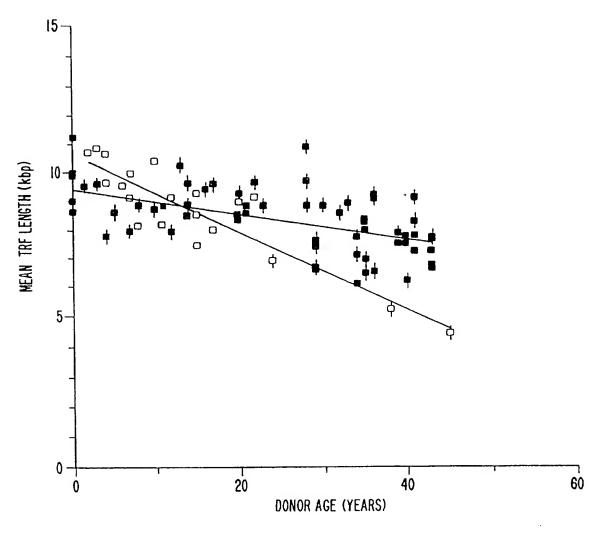


Fig. 5

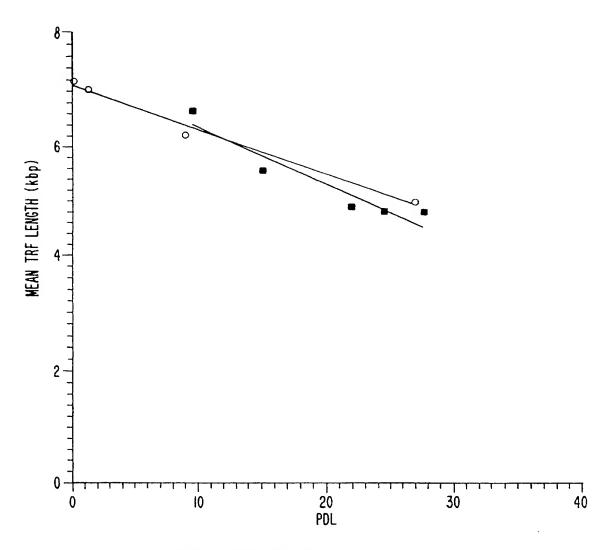






TRISOMY 21 (n=21) p < 0.00005, r=0.56, m=-43 bp/yr NORMAL (n=68) p < 0.00005, r= 0.89, m=-133 bp/yr

Fig. 8



OCCUPANTE OF LOSS: 102 bp/PD
OCCUPANTE OF LOSS: 79 bp/PD

ONLY ONE DATA POINT (AT SENESCENCE) WAS AVAILABLE

Fig. 9

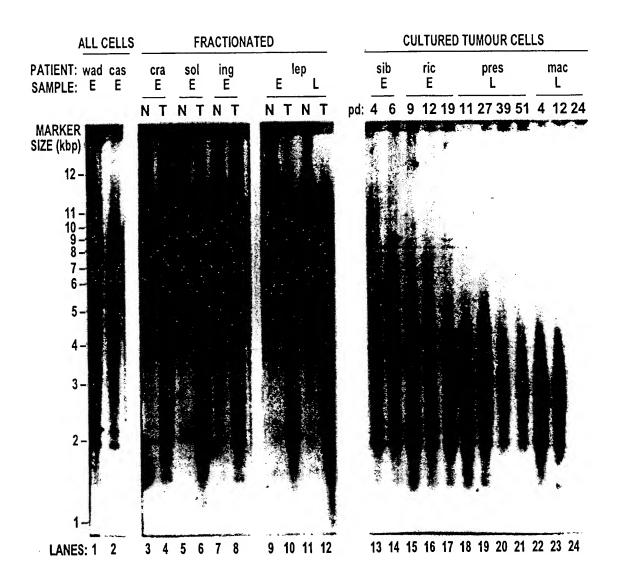


Fig. 10

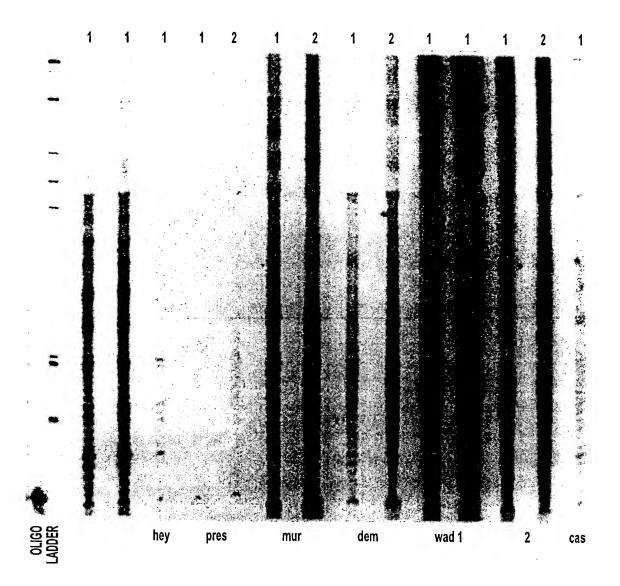


Fig. 11



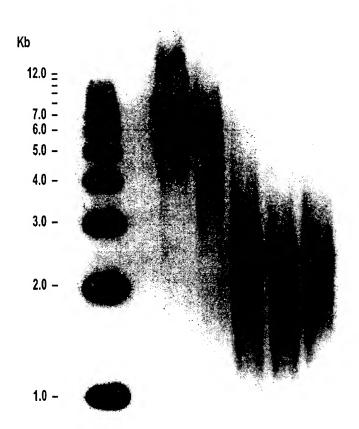


Fig. 12

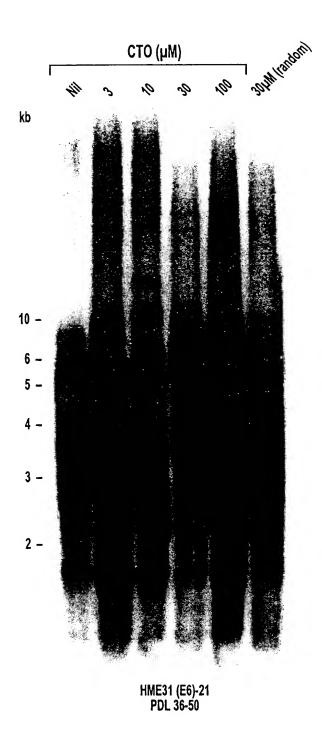
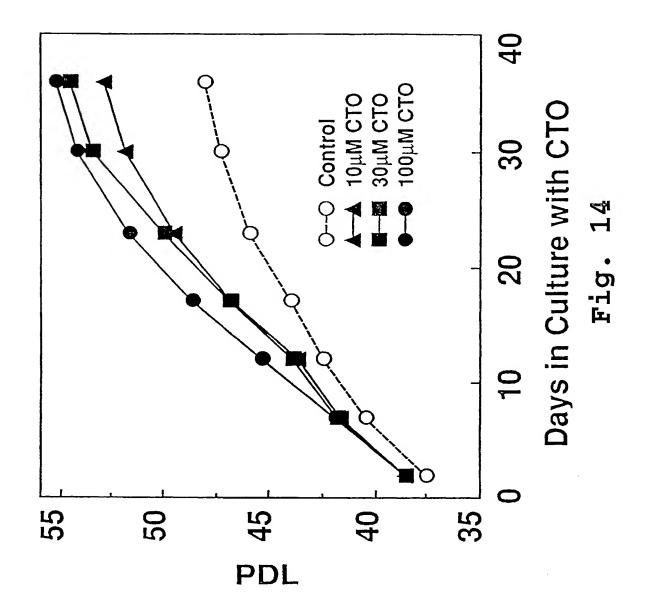
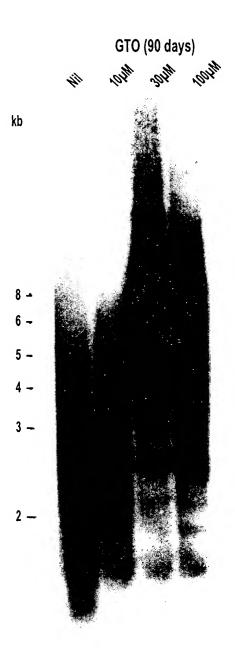


Fig. 13

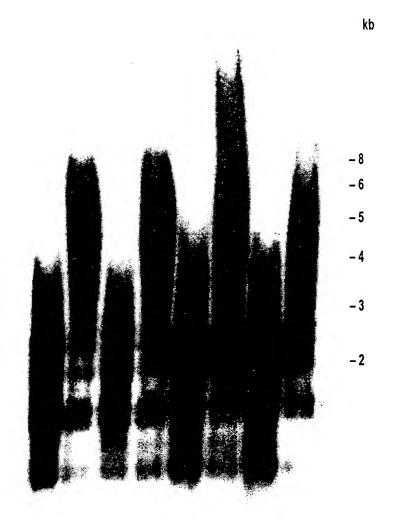




IDH4 cells

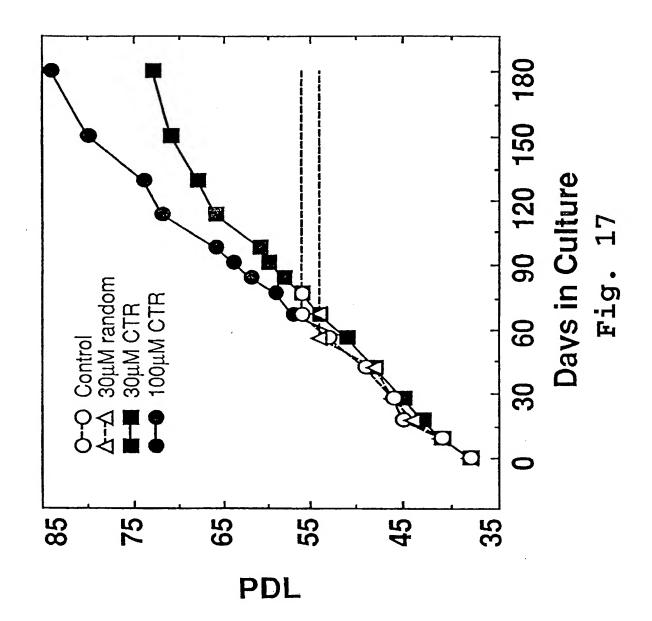
Fig. 15

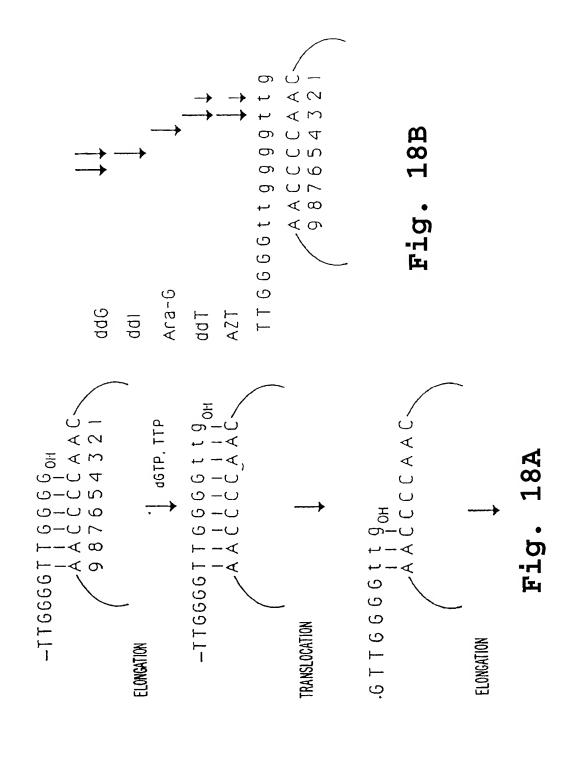


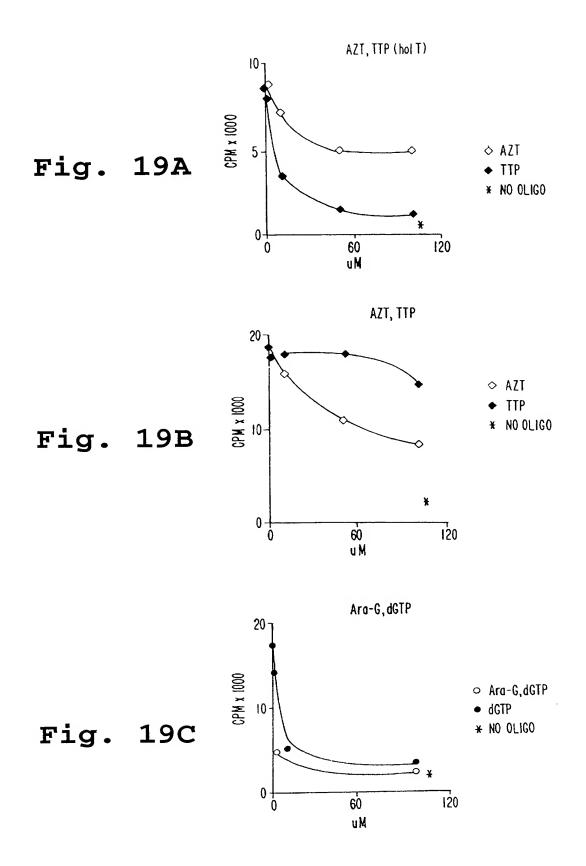


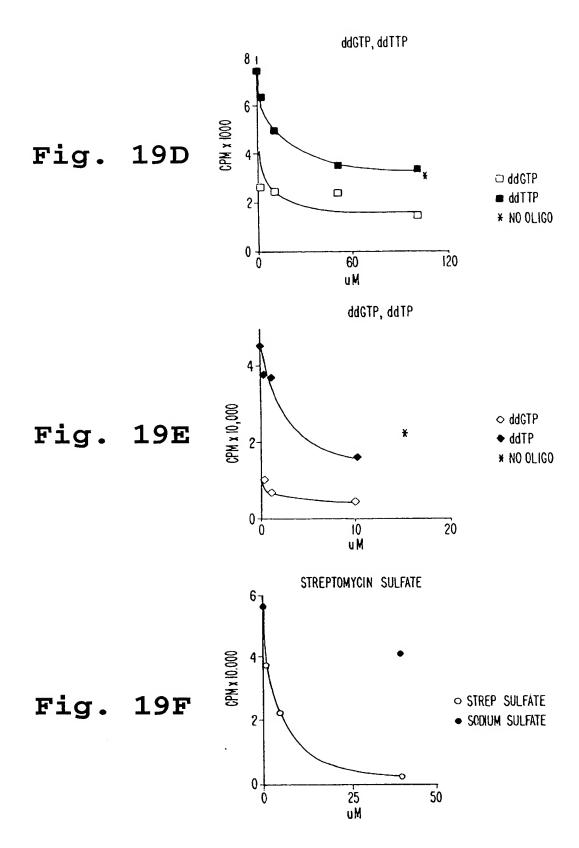
IDH4 cells

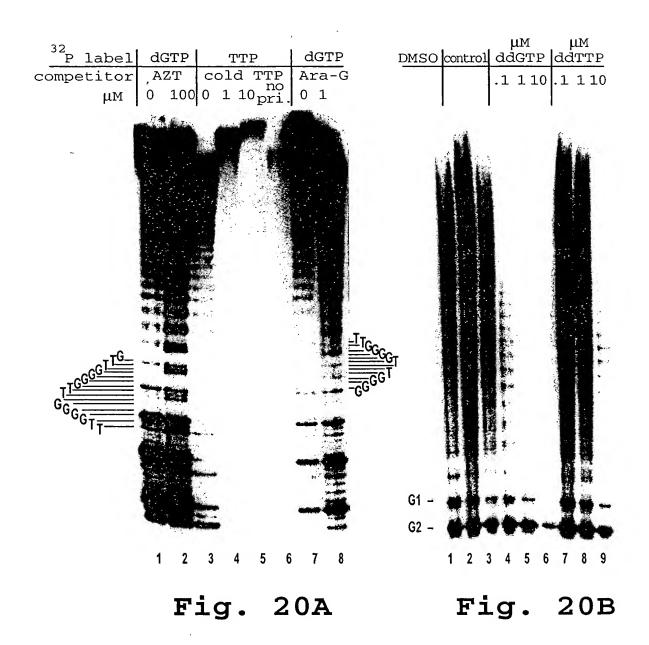
Fig. 16

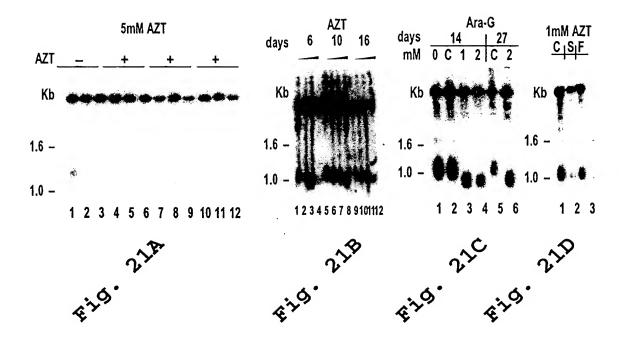












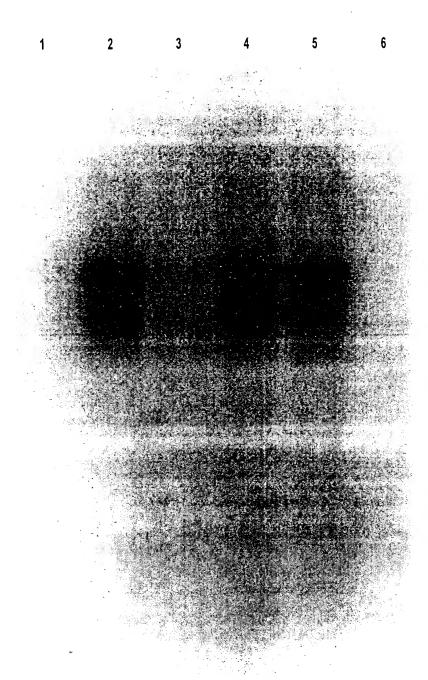


Fig. 22

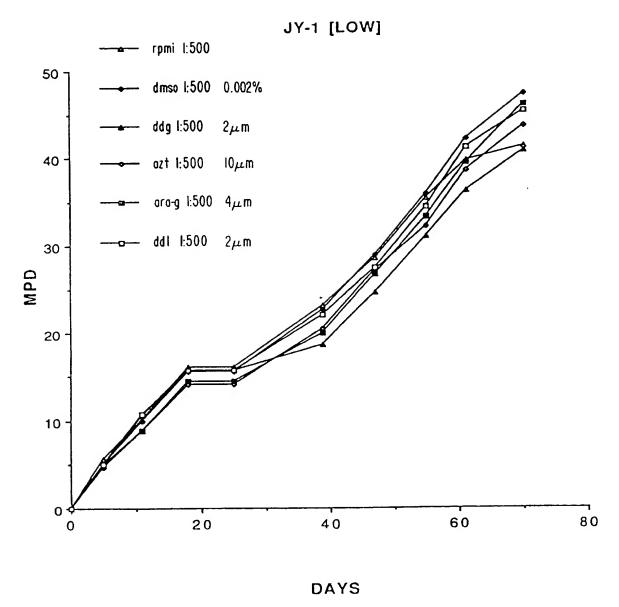


Fig. 23

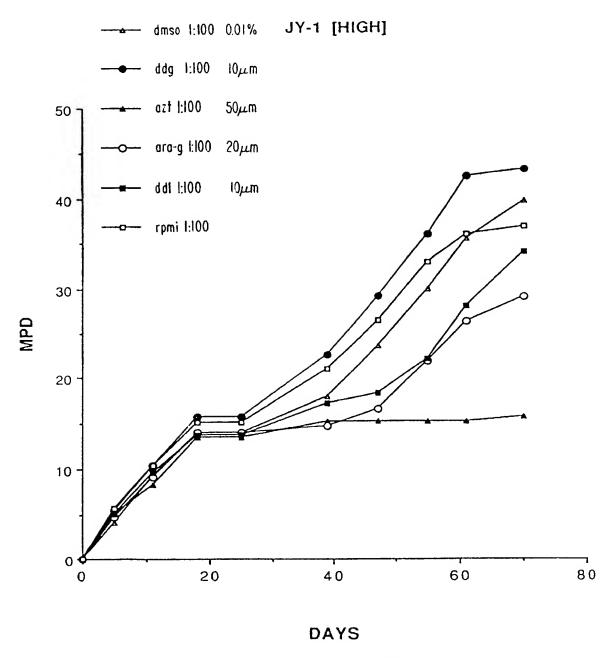


Fig. 24

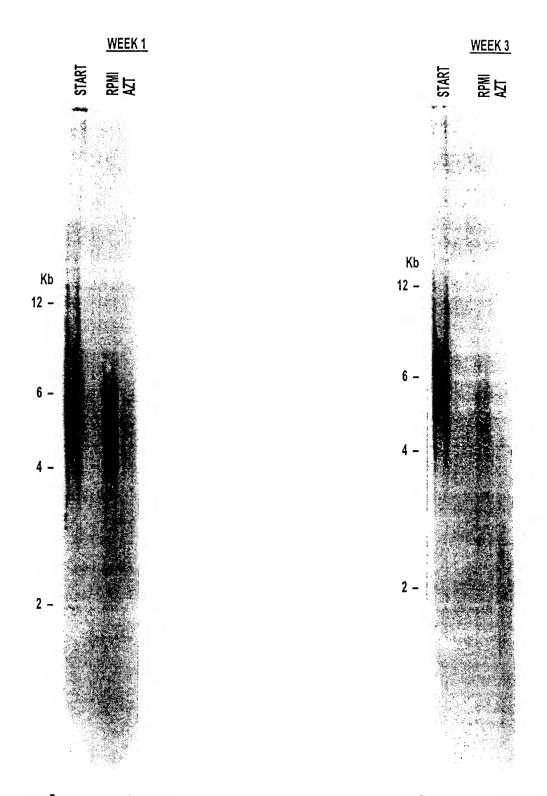


Fig. 25A

Fig. 25B

G-reaction: Measurement of Telomere Length

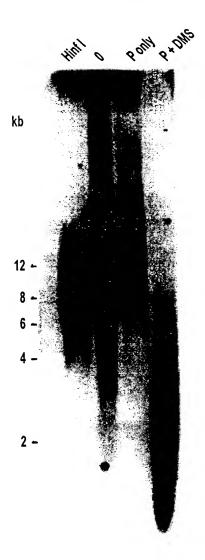


Fig. 26

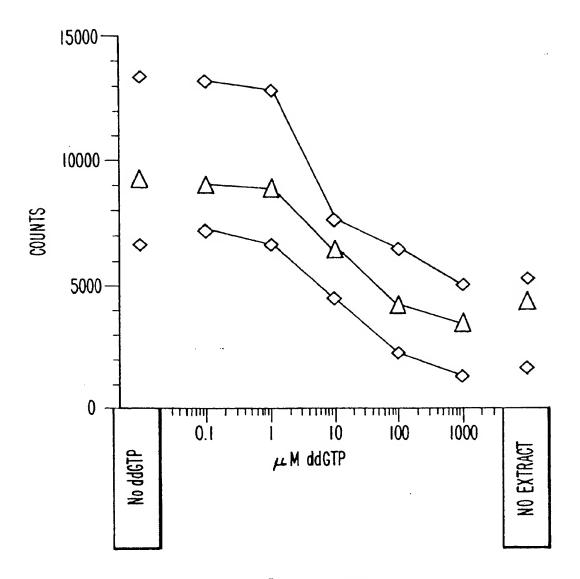


Fig. 27

C. gui. B-3163*
S. ser. 674
C. gui. B-3176
C. pse. B-4212
C. pse. B-4296
K. lac. B-4298
C. lus. B-4303
C. tro. B-4415
C. tro. B-4437
C. tro. B-4437
C. tro. B-4438
C. tro. B-4438
C. tro. B-4439
C. alb. B-WO-1

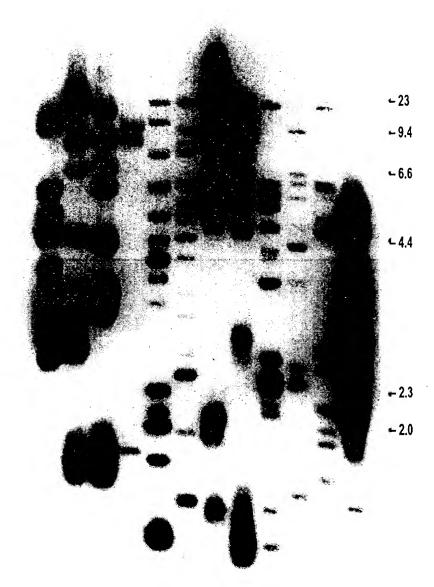


Fig. 28

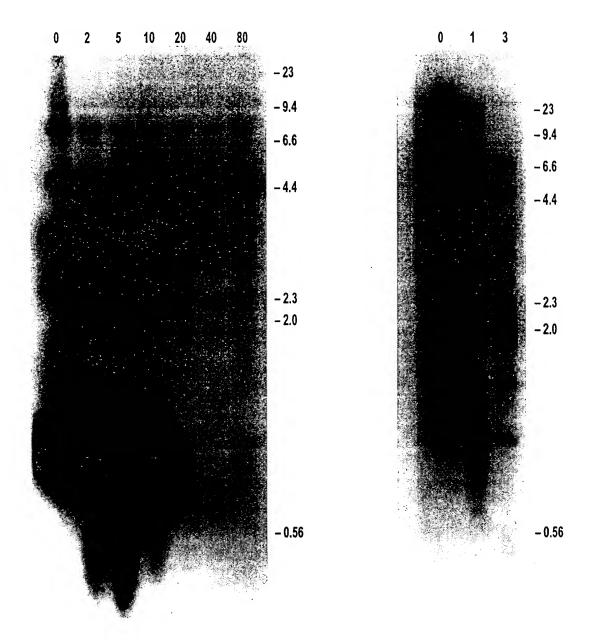


Fig. 29

Species

Telomeric Repeat

 $\widehat{\sigma}$ OAAO - 0 0 0 - - - 0 **⊢** ७ ග ග ATTA OAAH To End→ **よほほり** ACOA **P 4 4 0** 0004 ---0 **a a** - - O - - - - $\sigma \sigma \sigma \sigma$ $\vdash\vdash\vdash\vdash$ 5 4444 A A Q σ σ σ σ 999 C. tro. 4414
C. tro. 4443
C. mal.
C. gui.
C. pse.
K. lac.
C. gla. C. alb.

Fig. 30

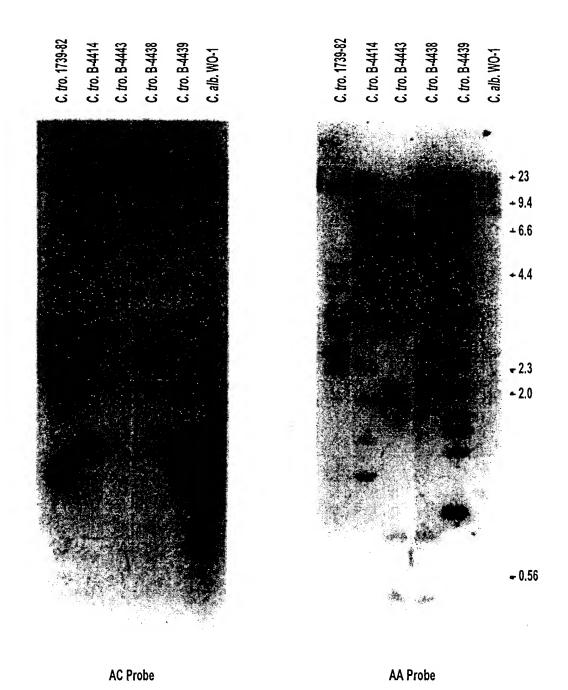


Fig. 31

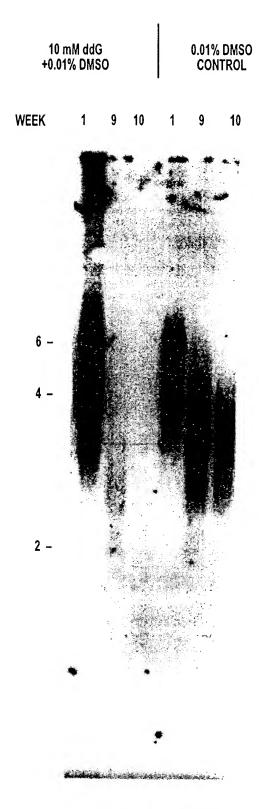


Fig. 32

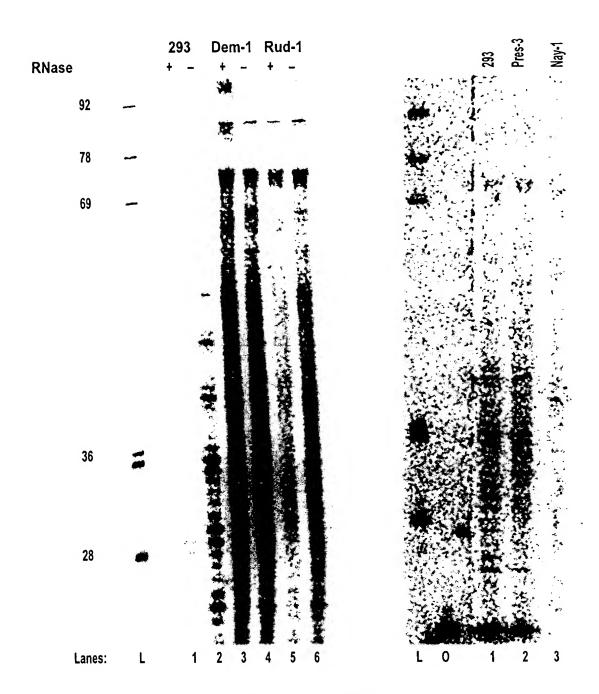


Fig. 33